



USB 2.0 TYPE A CONNECTORS

MIL-DTL-38999 Series III Type Connectors



233-342 Receptacle with PC tails



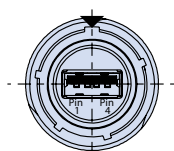
**Jam Nut Receptacle
Rear View**



**Jam Nut Receptacle
Front View**

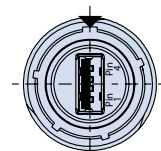
Part Number Development								
Sample Part Number	233-342	NF	00	-15	2	A	N	H
Basic Number	233-342							
Finish	See Material and Finish table							
Connector Style ¹	See Connector Style table							
Shell Size	15							
USB Performance	2 = USB 2.0							
USB Interface Type	A = Type A							
Alternate Key Position ¹	A, B, C, D, E, N = Normal; per MIL-DTL-38999							
USB Orientation	H = Horizontal V = Vertical							

USB Receptacle Orientation Options (Partial Views Shown)



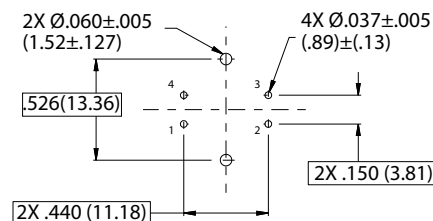
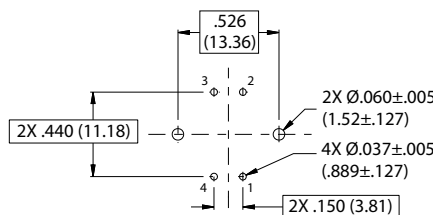
Horizontal

▼ = Master Keyway



Vertical

Recommended (Solder Side)



Material and Finish	
NF	Aluminum/Cadmium, Olive Drab
M	Aluminum/Electroless Nickel
MT	Aluminum/Nickel PTFE
ZR	Aluminum/Black Zinc-Nickel

Connector Style	
07	Rear panel mount, jam nut receptacle
00	Wall mount receptacle with slotted holes
D0	Wall mount receptacle with round holes
CM	Wall mount receptacle with metric clinch nuts

NOTES

- See Section A for alternate key/keyway positions and panel cutout dimensions
- Rear panel mount only
- Meets IP67 in unmated condition, IP68 mated
- Receptacle has USB female receptacle
- Material/Finishes:
 - Insulators: high grade rigid dielectric/ n.a.
 - Contacts: copper alloy, gold plated
 - Seals: silicone based elastomer
 - USB (shell/contacts): copper alloy
 - Dielectric: hi-temp thermoplastic PA9T UL94V-0
 - Hardware: stainless steel/passivated

USB 2.0 Wiring				
Pin	Name	Cable Color (USB)	Description	Recommended Wire Sizes (AWG)
1	(V Bus)	Red	+5 V	22
2	(D-)	White	Data -	28
3	(D+)	Green	Data +	28
4	(GND)	Black	Ground	22

All external dimensions, features, etc. compliant with D38999/20, /24, &/26. Consult factory for additional information.



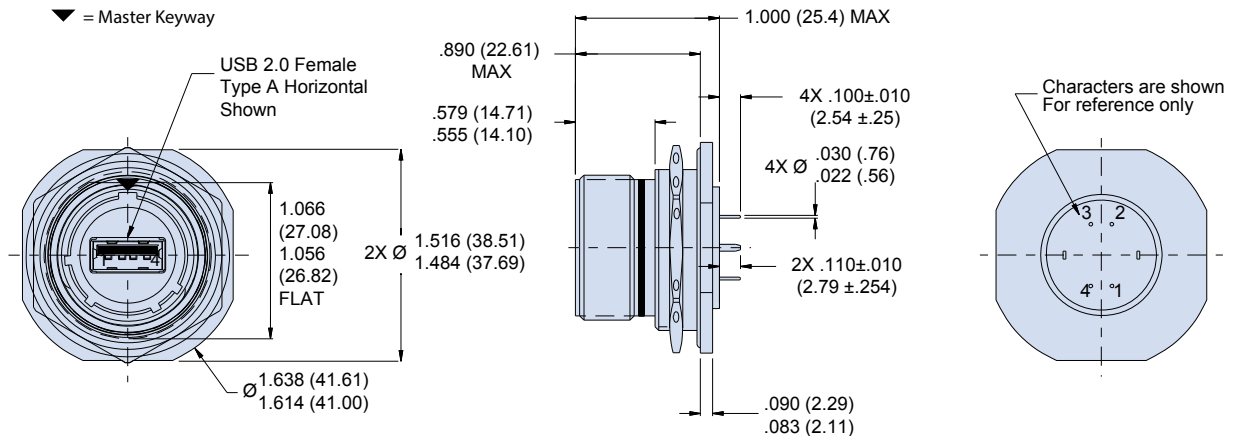
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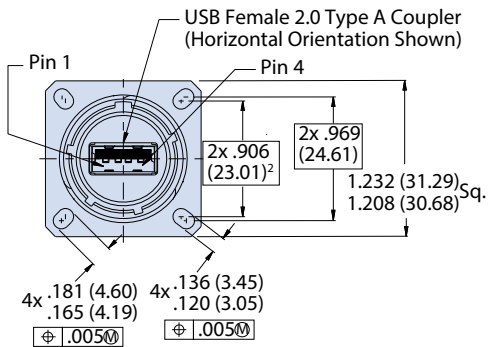
233-342 Receptacle with PC tails

07 - REAR PANEL MOUNT, JAM NUT RECEPTACLE

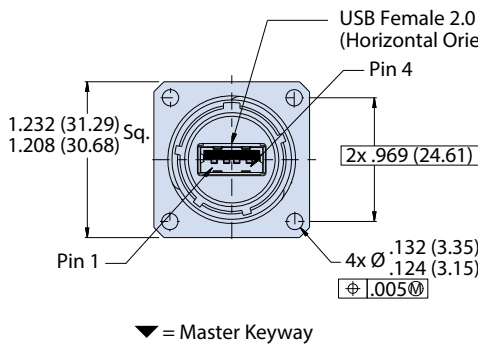


00, D0 AND CM - WALL MOUNT RECEPTACLES

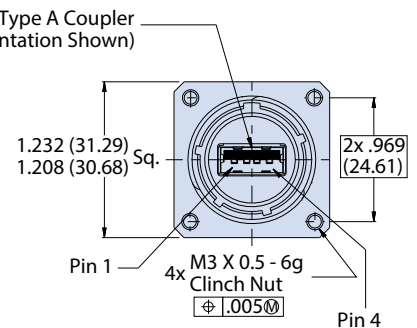
00 - Slotted Hole Receptacle Face View



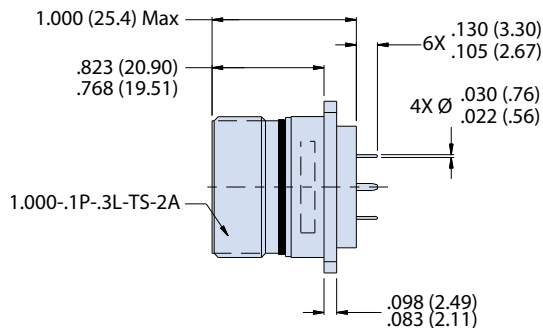
D0 - Round Hole Receptacle Face View



CM - Clinch Hole Receptacle Face View



00 and D0 - Receptacle (Side View)



CM - Receptacle (Side View)

